TEMPLE SOUND EQUIPMENT CO., INC.

• **THE BRICK PRESBYTERIAN CHURCH** — Pews extend 125′ with balcony in the rear extending an additional 25′. It was essential that the speaker systems blend with the architecture. Realism and uniform coverage called for locating speaker systems alongside of pulpit and lectern. Two 14′ enclosures were used, each housing two Temple E-30 sound columns. Feedback was no problem in spite of the location of pulpit and lectern microphones.

The Temple Sound Equipment Company, Inc. introduced their first columnar speaker systems over a decade ago. Ten years of intensive research and development in the design and manufacture of these sound columns have made Temple the undisputed leader in this field.

Proper sound reinforcement must maintain the aura of realism in order to sustain the attention of an audience. Whether the action is emanating from a stage or a pulpit, uniform coverage and maximum intelligibility are necessary to the success of the installation. Sound columns fulfill these requirements better than any other type of speaker system because only they can produce a well defined coverage pattern, spread their acoustical output uniformly across the audience and thereby reduce harmful and annoying reflections under even the most difficult acoustic conditions. This permits the location of microphones near the columns (but out of the coverage pattern) without creating feedback "howl".

Thousands of Temple "Field-Proven" sound columns have been installed by our engineering distributors in a wide variety of applications, offering ample proof of their complete effectiveness. The experience gained from these practical applications has enabled us to produce a *full complement of sound columns* to fulfill the needs of almost every acoustical condition. Your installation requires the proper choice of size, power, response, coverage pattern and cabinet finish to achieve accurate results. Only Temple offers you this choice.

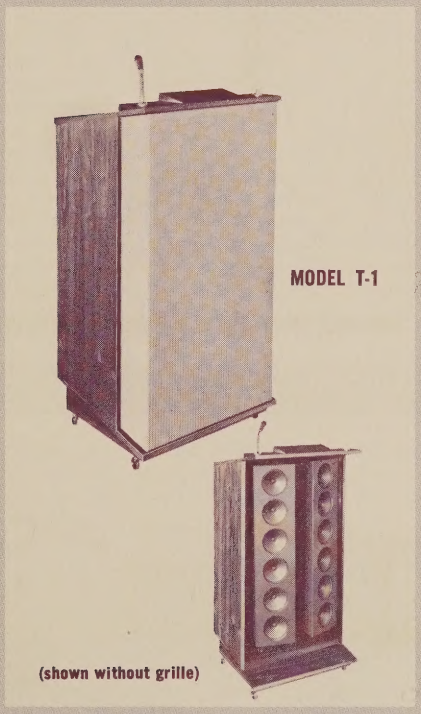
• **WALL STREET CLUB** — All purpose system to be used for live and recorded music and speech. Management would not permit the installation of ceiling speakers or the marring of panels shown. Solved with four Temple E-30-WA Sound Columns that were hinged to rear of panels and swung into view when microphones were used and out of sight when recorded music was played.

• **THE ASTI RESTAURANT** (for Opera Stars and buffs) — The artists required complete freedom of movement — subtle and faithful reenforcement with overhead mikes — **but never any feedback.** Solved with two Temple E-60 sound columns with their wide response and uniform but well defined coverage pattern.

TEMPODIUM MODEL T-1 | TEMPODIUMETTE MODEL T-2

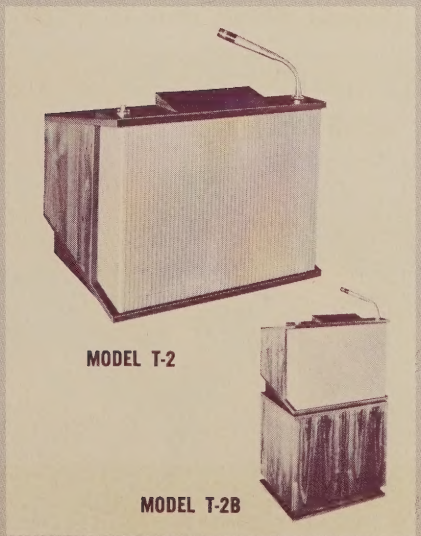
TEMPLE SOUND EQUIPMENT CO., INC.

ENGINEERS AND MANUFACTURERS OF "FIELD-PROVEN" SOUND COLUMNS



MODEL T-1

(shown without grille)



MODEL T-2

MODEL T-2B

The Temple Sound Equipment Company introduces, after five years of intensive human engineering and field testing, the Tempodium and Tempodiumette Sound Column Lecterns. The marriage of sound columns and lecterns is a natural outgrowth of more than ten years of "Field-Proven" experience in the engineering and manufacture of columnar speaker systems.

Now, for the first time, sound reinforcement emanates directly from the lecturer to create the utmost in realism and sustain the attention of the audience. Now, for the first time, the average speaker can stand a full 10″, or more, from the microphone and be clearly heard and understood by an audience of up to 1000 people. These lecterns have reduced feedback "howl" to such a degree that it is no longer necessary to "close-talk the microphone".

By utilizing two sound columns, with their well-defined coverage patterns, and by permitting each column to be easily oriented both vertically and horizontally, sound coverage can now be *tailored* to suit the audience configuration. No detail has been overlooked in creating these lecterns. Two shock mounted microphone flanges are installed to accommodate virtually all microphones and stands. A built-in lamp with switch and adjustable shade is provided along with a duplex power receptacle and cordset. Ample shelf space is available for mounting or storing other equipment. Large, lockable rubber casters are used for ease of storing, moving and safety during operation.

The simple and beautiful design of these lecterns blends harmoniously with all surroundings. Construction is of the finest genuine walnut veneered stock and satin finished to a rich luster.

The versatility of these superb units makes them applicable to schools, houses of worship, meeting rooms or any place where realistic and intelligible sound reinforcement is required.

FEATURES

TEMPODIUM, MODEL T-1
(Floor unit)

- Covers an audience of up to 1000
- Two built-in 30 watt sound columns
- Each column easily adjustable both horizontally and vertically
- Snap-out decorative grille
- Heavy duty lockable rubber casters for safety
- Built-in reading lamp with switch and adjustable shade
- Beautiful walnut cabinetry
- Two shock mounted microphone mounts
- Dimensions: 26″ wide x 21″ deep x 49″ high

TEMPODIUMETTE, MODEL T-2
(Table-top unit)

- Covers an audience of up to 400
- Two built-in 15 watt sound columns
- Each column easily adjustable both horizontally and vertically
- Snap-out decorative grille
- Built-in reading lamp with switch and adjustable shade
- Beautiful walnut cabinetry
- Matching base available to convert to floor unit
- Two shock mounted microphone mounts
- Dimensions: 26″ wide x 21″ deep x 19″ high

TEMPLE SOUND EQUIPMENT CO., INC.

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

TEMPODIUM MODEL T-1

The Model T-1, Tempodium lectern shall be 26″ wide x 21″ deep x 49″ high including the 4-2″ lockable rubber casters. Two Temple Series 30 sound columns shall be an integral part of the lectern. Each sound column shall contain six 6″—6 watt speakers. Each sound column shall be independently adjustable in both its horizontal and vertical orientation from the lecturer's side of the lectern. The front decorative grille shall be easily removable for access to the sound columns. A reading lamp, with switch and adjustable shade shall be permanently mounted on the reading desk and shall be powered from a duplex receptacle mounted within the lectern. This duplex receptacle shall have a ten foot rubber covered cordset for connection to an external source of power. There shall be a shock mounted microphone flange provided on each side of the lectern desk. The lectern shall contain three shelves for accommodating other equipment or supplies. The lectern shall be constructed of ¾″ thick genuine walnut veneered plywood, overall, and so assembled as to provide a sturdy and durable piece of furniture. It shall have a hand rubbed satin finish. Temple Sound Equipment Co., Inc. Model T-1, Tempodium is recommended.

TEMPODIUMETTE MODEL T-2

The Model T-2, Tempodiumette lectern shall be 26″ wide x 21″ deep x 19″ high. Two Temple Series 15 Sound Columns shall be an integral part of the lectern. Each sound column shall contain 4—3″ x 5″ oval speakers and the power rating of each speaker shall be 4 watts. Each sound column shall be independently adjustable in both its horizontal and vertical orientation from the lecturer's side of the lectern. The front decorative grille shall be easily removable for access to the sound columns. A reading lamp with switch and adjustable shade shall be permanently mounted on the reading desk and powered from a duplex receptacle mounted within the lectern. This duplex receptacle shall have a ten foot rubber covered cordset for connection to an external source of power. There shall be a shock mounted microphone flange provided on each side of the lectern desk. There shall be space accessible below the desk for mounting or storing of other equipment. The lectern shall be constructed of ¾″ thick genuine walnut veneered plywood, overall, and so assembled as to provide a sturdy and durable piece of furniture. It shall have a hand rubbed satin finish. A matching base shall be available for conversion to floor unit. Temple Sound Equipment Co., Inc. Model T-2, Tempodiumette is recommended.

MODEL T-2B

A matching base Model T-2B, for the conversion of the Tempodiumette to a floor unit shall be 26″ wide x 21″ deep x 30″ high including the 4—2″ lockable rubber casters. There shall be two equipment storage shelves. The base shall be constructed of ¾″ thick genuine walnut veneered plywood, overall, and so assembled as to provide a sturdy and durable piece of furniture. It shall have a hand rubbed satin finish. Temple Sound Equipment Co., Inc. Model T-2B is recommended.

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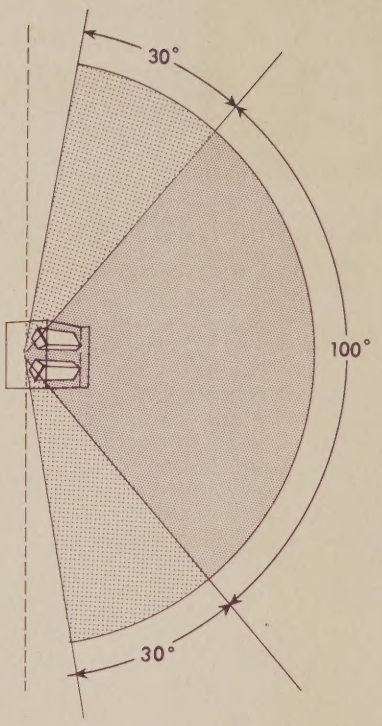
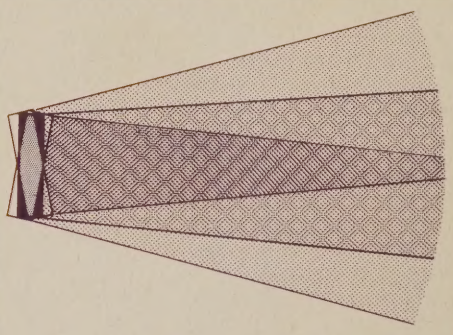


VARIABLE HORIZONTAL COVERAGE PATTERN



VARIABLE VERTICAL COVERAGE PATTERN

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TEMPLE SOUND COLUMN FACTS

A sound column consists of an in-line array of speakers in a scientifically designed enclosure. The dispersion characteristics of this design are quite broad in the horizontal plane and narrow in the vertical plane. Additionally, the acoustic output adds up in the forward direction so that the "effective length of throw" is considerably greater than with any other type of speaker system; yet, *blasting* does not occur in close proximity to the column. This permits sound to be aimed in a well-defined and desirable pattern over the area to be covered and *over that area only*. With 90% of the acoustic output of the column confined to this pattern, virtually no random sound is available to cause harmful reflections.

Sound columns, when properly utilized, reduce installation costs because fewer speaker locations are required and less time is spent on final adjustments. Microphone replacement becomes simpler and more flexible because reflections are held to a minimum, thereby greatly reducing the possibilities of feedback "howl". Thus, the sound column is the most efficient and economical answer to virtually all installations.

Sound columns are effective in nearly every type of installation. They have been exceptionally successful in outdoor installations, mounted on poles, to cover many thousands of people. Tens of thousands have been installed in nightclubs, theaters, and auditoriums, where the rooms are relatively "dead" acoustically. They have been installed, as well, in houses of worship, airports and railroad stations, which require maximum intelligibility but are acoustically reverberant and reflective. Although the sound column is normally mounted vertically on a wall, successful installations have been made using a cluster of six to eight columns hung from the center of the ceiling, to radiate sound over 360° with uniform intensity to all corners of the room. Columns have been mounted horizontally on the walls of rooms with low ceilings instead of using ceiling speakers, which tend to "dump" sound on the heads of an audience and create "hot spots" and "dead spots". This interesting method literally reverses the dispersion characteristics of the column by creating a wide vertical and narrow horizontal coverage pattern. When mobility is required, *Temple portable columns* are used for rentals and by square dance callers, carnivals and bands.

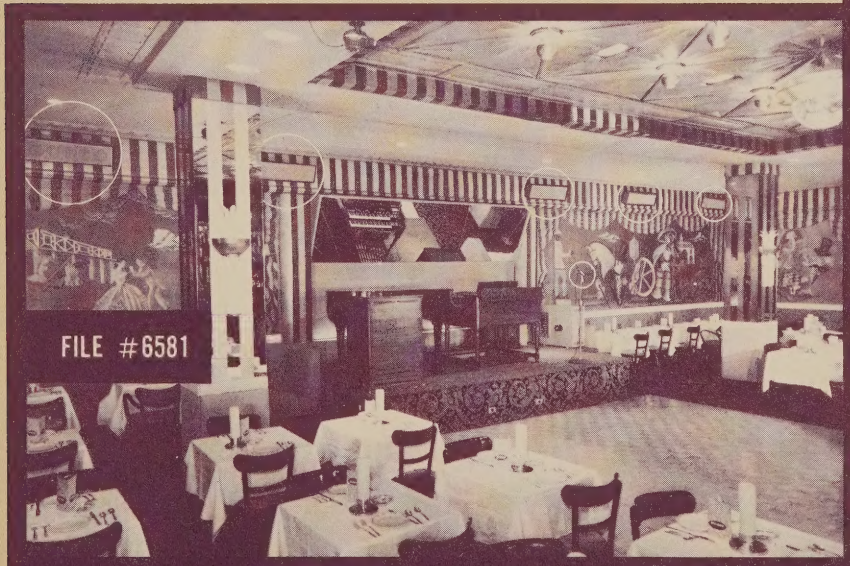
Temple sound columns ranging in size from 30 to 52 inches in length are conservatively rated from 18 to 60 watts with vertical dispersions from 18° to 35° with maximum effective length of throw from 50 to 200 feet. For your next installation, choose from the complete, decor-matching, engineered line of Temple "Field-Proven" Sound Columns.

ADVANTAGES

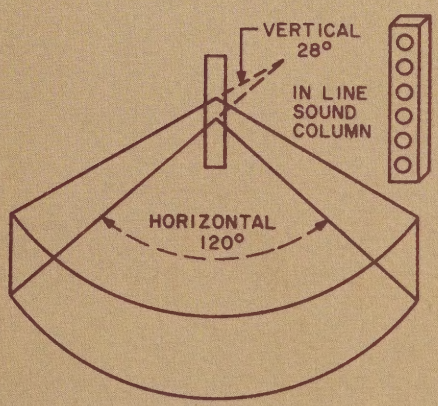
- Reduce feedback howl
- Avoid front row blasting
- Less audio power required because of high coverage efficiency
- Cuts installation costs by —
  - Using fewer speaker locations in a system
  - Less wire to be run
- Easily blended into architectural requirements
- Models available for horizontal use

FEATURES

- Widest choice of sizes
- Assorted cabinet finishes to meet all requirements
- Matched speakers with:
  - Large Alnico V magnets (for increased sensitivity)
  - Specially designed speaker cones (for uniform response)
- Finest cabinetry utilizing:
  - ¾ inch thick stock
  - Glued and bolted for low cabinet resonance
  - Durable grillecloth
- Complete mounting hardware included
- Space for line transformers
- Special accessories for cluster assemblies
- Conservative power ratings



• **PLANTATION ROOM, DIXIE HOTEL** — Problem: Room (100' wide x 50' long) where decoration and structural pillars precluded the use of wall mounted speakers. Six Temple E-25-WA sound columns were mounted **horizontally**, thereby reversing their coverage pattern (32° horizontally and 120° vertically). The bandstand and part of the dance floor were then out of the working area insuring complete avoidance of feedback.



PERFORMANCE SPECIFICATIONS

		MECHANICAL			ACOUSTICAL				ELECTRICAL		
SERIES	MODEL	Finish	Dimensions H x W x D (Inches)	Shp. Wt. (Lbs.)	Dispersion (Degrees) Horiz.	Vert.	Max. Eff. Length (Feet)	Spkr. Complement	Power Rating (Watts)	Impedance (Ohms)	Freq. Range (cps)
18	E-18-UB	Unfinished	42x9x6	28	120°	28°	110	Six 6″-4 watt	18	16	80-15,000
20*	E-20-WA E-20-BL E-20-UB U-20 U-20-W	Walnut Blond Unf. Birch Utility (Beige) Weatherproof	30¼x7¼x5¼	17	120°	35°	75	Six 5″-6 watt	20	16	120-15,000
25*	E-25-WA E-25-BL E-25-UB U-25 U-25-W	Walnut Blond Unf. Birch Utility (Beige) Weatherproof	34½x9x5¼	23	120°	32°	100	Five 6″-6 watt	25	16	100-15,000
30	E-30-WA E-30-BL E-30-UB U-30 U-30-W P-30	Walnut Blond Unf. Birch Utility (Beige) Weatherproof Portable	42x9½x6	29	120°	28°	125	Six 6″-6 watt	30	16	70-15,000
60	E-60-WA E-60-BL E-60-UB U-60 U-60-W	Walnut Blond Unf. Birch Utility (Beige) Weatherproof	52x11¼x7	49	120°	25°	200	Six 8″-12 watt	60	16	40-15,000
CH 20	ECH-20-WA ECH-20-BL ECH-20-UB UCH-20 UCH-20-W	Walnut Blond Unf. Birch Utility (Beige) Weatherproof	52x11¼x7	46	120°	18°	200	Tapered Array Seven 6″-6 watt	20	16	60-15,000

ACCESSORIES

CL-30	Cluster Mounting Assy for up to 8-E-30 Type columns for 360° coverage consists of two ¼″ thick steel plates octagonally shaped, two interconnecting bars and complete mounting hardware.
CL-60	Same as above, except for use with E-60 or ECH-20 type columns.

* Series 20 & 25 are designed to be mounted either vertically or horizontally. Dispersion angles shown are for vertical mode of operation.

NOTE 1

Cabinet and Finish

All series are constructed of the finest ¾″ thick stock, glued and fastened for sturdiness, covered with the finest grillecloth and available in the widest range of finishes: Rich Walnut (-WA), Natural Blond (-BL), Unfinished Birch, sanded smooth (-UB), Utility in Beige Hammertone (U-) or Outdoor Weatherproof (U-W) utilizing marine plywood, double grillecloth and moisture resistant speaker cones. Additionally, in the Series 30, a portable model (P-30) finished in heavy duty gray vinyl, metal protectors on all corners, bumpers, handle, terminal strip and input jack included.

NOTE 2

All models are furnished with mounting hardware.

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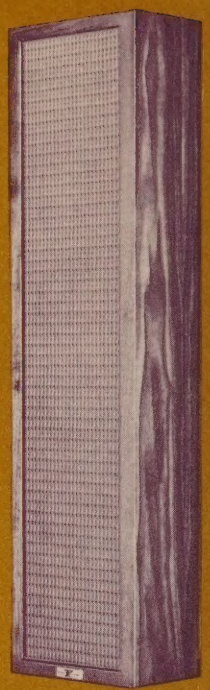

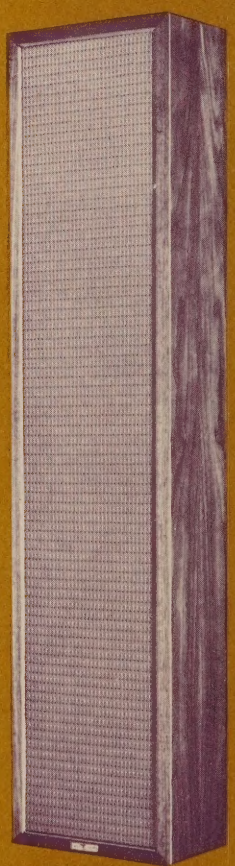

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